

Chemistry Report for Case # P-18-0279

General

Submitter:Allnex USA Inc.

Contact: Daniel Liebowitz

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TS No.: CR18B5

Chemist: Masten, Bethany

Contractor Support: Y

PV Init (kg/yr): [REDACTED]

PV Max (kg/yr): [REDACTED]

Binding Option: ☐

Exposure-Based Review [REDACTED]

Manufacture: ☐

Import: ☒

CAS Number: [REDACTED]

Chemical Name [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Trade Name:EBECRYL® 4820 radiation curing resins

IES Order: [REDACTED]

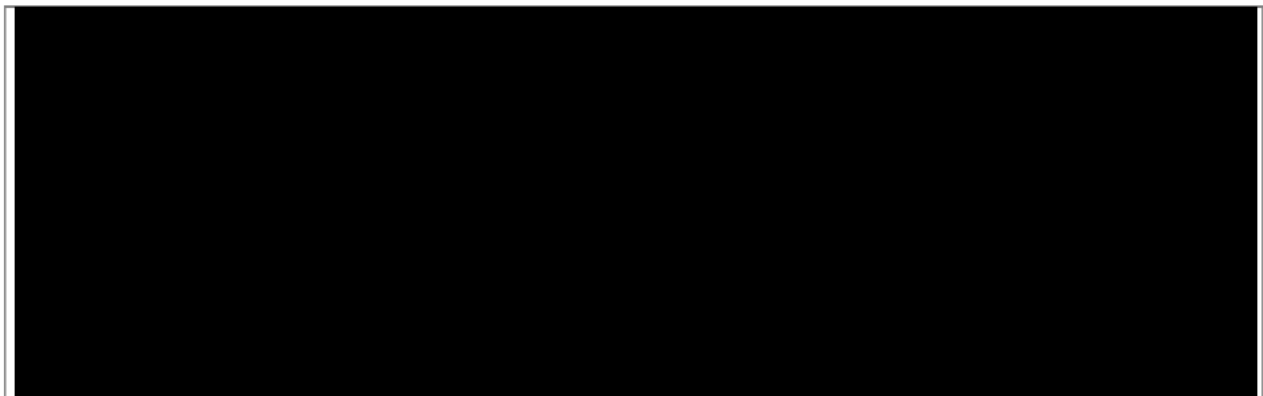
Generic Name:Substituted

heteromonocycle, polymer with substituted alkanediol and diisocyanate

substituted carbomonocycle, alkylene glycol

acrylate-blocked

Chemical Structure



Physical Chemical Properties

Molecular Formula: [REDACTED]	Molecular Weight: 2070.0
% < 500: 0.0	% < 1000: 0.79
MP:	MP Estimate:
BP:	BP Pressure:
BP Estimate: >400	
VP (Torr):	VP Estimate (Torr): <0.000001
Water Solubility (g/L):	Water Soluble Estimate (g/L): <0.000001
Log P:	Log P Estimate:
Physical State — Neat: Liquid (Est.)	Physical State — Manuf: NK: Import

Physical State — Processing: Solution: [REDACTED] PMN material, then Solution: [REDACTED] PMN material
Physical State — End Use: Destroyed

Additional Chemical Info

NAVG
MW = 2070 with 0% < 500 and 0.79% < 1000 by GPC.

[REDACTED]

Submitted Properties: WS = Insoluble; Density = 1.092 g/cc.
Estimated Properties: BP > 400 °C (High MW polymer); VP < 0.000001 torr (High MW polymer); WS < 0.000001 g/L (High MW polymer).
Acrylate FGEW = [REDACTED]

Uses

Consumer Use? No
Use:

Other Uses:	UV curable coating resin for paper substrates.
	[REDACTED]
	Analogues [REDACTED]
	[REDACTED] are used as resins for UV-curable industrial coatings.
	Analogues [REDACTED] are used as coating resins for [REDACTED].
	Analogues [REDACTED]
	[REDACTED] is used as a resin in [REDACTED] coating.

Reaction Description

The PMN material is imported and no manufacturing information was provided. The reaction shown above was taken from the list of feedstocks on PMN page 5 of the PMN submission.

[REDACTED]

Pollution Prevention Analysis(P2 Analysis:)

None.

Analogs

Analogues:

[REDACTED]

Comments/Telephone Log

Artifact	Update/Upload Time
[REDACTED]	[REDACTED]